(a) **Structural Information Construction Path**

Detail Capture Path
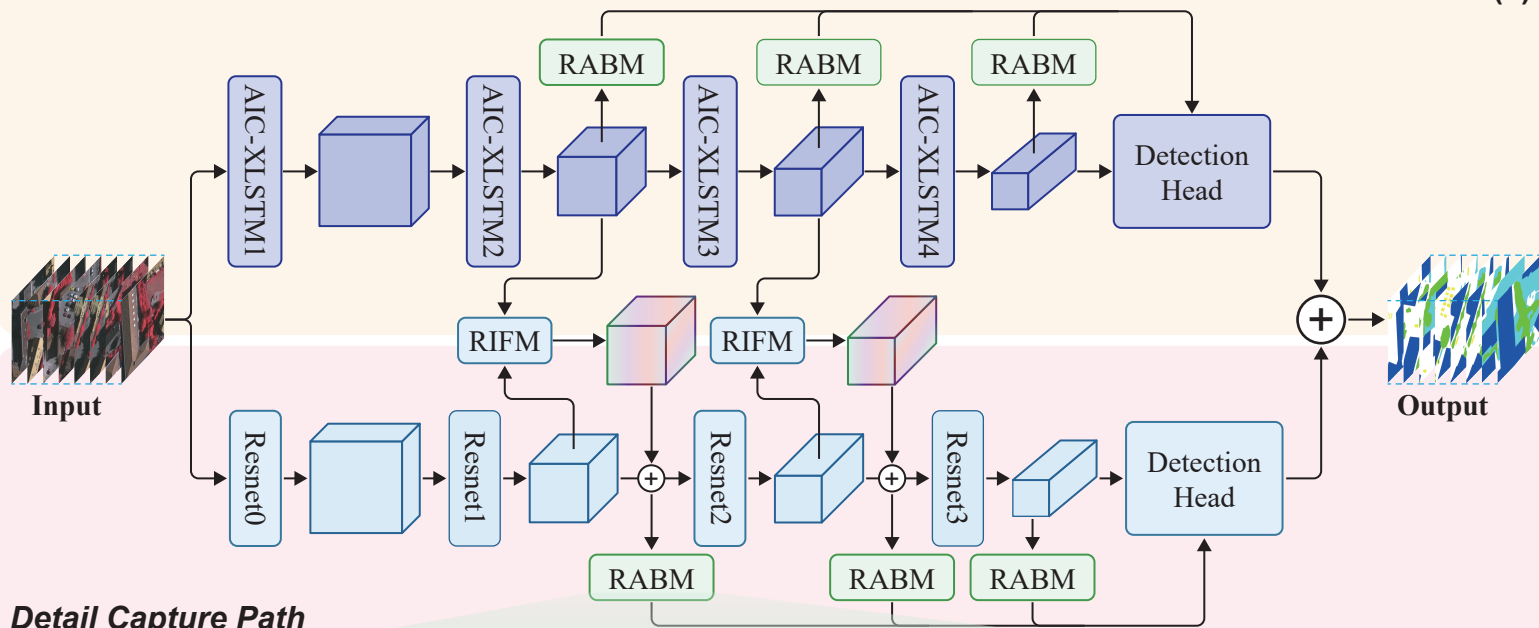
(b) **Regional Attention Balancing Module**

Primary enhancement branch

Edge enhancement branch
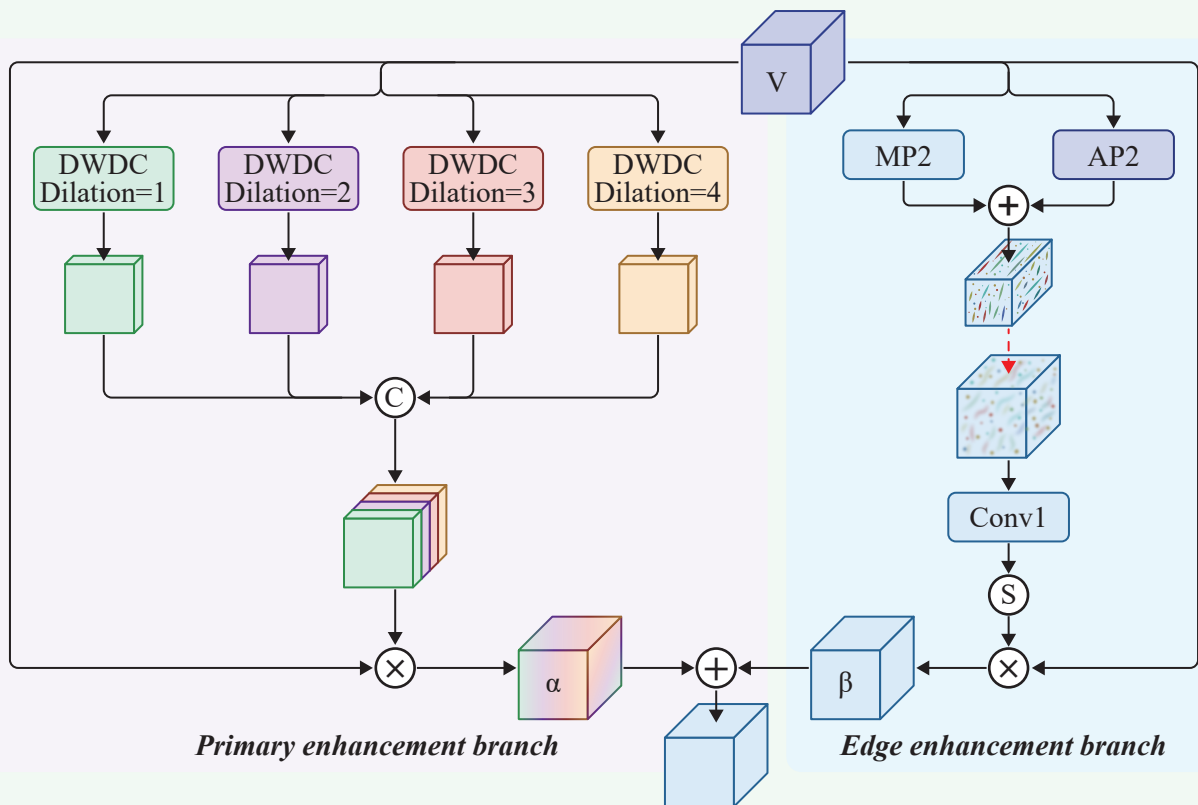
⊗ Element-level multiplication   ⊕ Element-level addition   Ⓒ Concatenate   Ⓢ Sigmoid   ---→ Upsampling